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GenCore version 5.1.3  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: November 9, 2002, 05:36:47 ; Search time 87 Seconds  
(without alignments)  
774.819 Million cell updates/sec

Title: US-09-895-298A-83  
Perfect score: 1002  
Sequence: 1 MMNFOPSPKAMRASQWMTFF.....HDGSLDRSRVQEGNPRA 190

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Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 320260 seqs, 177392727 residues  
Total number of hits satisfying chosen parameters: 640520

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Command line parameters:

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-DB=Published.Applications\_NA -QFWT=fastap -SUFFIX=inp -MINMATCH=0.1  
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA:\*

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15: /cg2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result	Score	Match	Length	DB	ID	Description
1	177	17.7	454	10	US-09-864-761-11449	Sequence 11449, A
2	148	14.8	94	10	US-09-864-761-28040	Sequence 28040, A
3	107.5	10.7	2543	12	US-10-044-090-654	Sequence 654, App
4	93.5	9.3	1442	10	US-09-070-927A-680	Sequence 680, App

5	91	9.1	486	10	US-09-747-155-315	Sequence 315, App
6	91	9.1	487	10	US-09-747-155-325	Sequence 325, App
7	89	8.9	487	10	US-09-747-155-328	Sequence 328, App
8	86	8.6	969	10	US-09-866-055-254	Sequence 254, App
9	85.5	8.5	408	10	US-09-867-701-4424	Sequence 4424, App
10	84.5	8.4	32768	10	US-09-070-927A-1100	Sequence 1100, App
11	84	8.4	607	10	US-09-770-149-903	Sequence 903, App
12	82	8.2	458	10	US-09-747-155-216	Sequence 216, App
13	82	8.2	487	10	US-09-747-155-222	Sequence 222, App
14	82	8.2	1800	10	US-09-070-927A-786	Sequence 786, App
15	82	8.2	32200	10	US-09-764-847-1804	Sequence 1804, App
16	81.5	8.1	1515	10	US-09-833-381-1904	Sequence 1904, App
17	81.5	8.1	1515	10	US-09-833-381-1905	Sequence 1905, App
18	81	8.1	913	10	US-09-832-830A-166	Sequence 168, App
19	81	8.1	6651	10	US-09-954-456-178	Sequence 178, App
20	81	8.1	6651	10	US-09-954-456-1217	Sequence 1217, App
21	80.5	8.0	1168	10	US-09-778-844-43	Sequence 44, App
22	80	8.0	486	10	US-09-747-155-191	Sequence 191, App
23	80	8.0	487	10	US-09-747-155-199	Sequence 199, App
24	80	8.0	487	10	US-09-747-155-208	Sequence 208, App
25	79.5	7.9	1051	10	US-09-809-545A-60	Sequence 60, App
26	79	7.9	924	10	US-09-825-882-17	Sequence 17, App
27	78.5	7.8	1812	10	US-09-750-240-3	Sequence 3, App
28	78.5	7.8	3549	10	US-09-750-240-5	Sequence 5, App
29	78	7.8	486	10	US-09-747-155-205	Sequence 205, App
30	78	7.8	7258	10	US-09-790-988-3	Sequence 3, App
31	77.5	7.7	1788	10	US-09-815-242-4189	Sequence 4189, App
32	77.5	7.7	1815	10	US-09-815-242-8427	Sequence 8427, App
33	77.5	7.7	25822	10	US-09-964-824A-572	Sequence 572, App
34	77.5	7.7	84539	10	US-09-964-824A-36	Sequence 36, App
35	77	7.7	833	12	US-10-001-879-29	Sequence 29, App
36	77	7.7	1815	10	US-09-841-132-539	Sequence 539, App
37	76.5	7.6	45845	10	US-09-927-091-6	Sequence 6, App
38	76	7.6	382	10	US-09-864-761-18982	Sequence 18982, App
39	76	7.6	1731	10	US-09-764-869-1753	Sequence 1753, App
40	76	7.6	1731	10	US-09-764-869-1754	Sequence 1754, App
41	76	7.6	3552	10	US-09-750-240-10	Sequence 10, App
42	76	7.6	3582	10	US-09-750-240-12	Sequence 12, App
43	76	7.6	13017	10	US-09-735-927-3	Sequence 3, App
44	76	7.6	465237	10	US-09-933-267A-1	Sequence 1, App
45	75.5	7.5	848	10	US-09-908-805B-35	Sequence 35, App

#### ALIGNMENTS

RESULT 1  
US-09-864-761-11449  
Sequence 11449, Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
APPLICANT: Chen, Wenheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Aecm1ca-X-1  
CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30  
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PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00670  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: US 60/234,687  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: US 09/608,408  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: US 09/774,203  
PRIOR FILING DATE: 2001-01-29  
NUMBER OF SEQ ID NOS: 49117  
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 11449  
LENGTH: 454  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC003108.1  
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69  
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74  
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67  
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78  
US-09-864-761-11449

## Alignment Scores:

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Score: 177.00 Matches: 62  
Percent Similarity: 48.63% Conservative: 9  
Best Local Similarity: 42.47% Mismatches: 34  
Query Match: 17.66% Indels: 41  
DB: 10 Gaps: 8

US-09-895-298a-83 (1-190) x US-09-864-761-11449 (1-454)

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DB 69 GGA-----GAATATTACAGT-----GCA 86  
QY 74 GlyTyrLeuTrp---ValValTrpIleTyrArgAsnLeuIleGlySerValHisPhePhe 92  
DB 87 GGAAGGCTCTGGGGGATTAATTCGCTTTACTGCAAAATGTT-----CTTTTC 134  
QY 93 PheIleLeuThrLeuIleValLeuIleIleThrTyrLeuTyrTrpIleIleThrGlnGly 112  
DB 135 TTTCACCAAAAGATGCGAGTAACCTCCATCCACCTAGAGTCAGCTGAGCTGAAC 194  
QY 113 ArgLysIleMetIleArgLeuLeu-----HisGlnGlnIle-IleAsn----- 126  
DB 195 CGAGCTTCTCCATCATATGCTTCTCAATTCATCCATCATCATCATATTTTGT 254  
QY 127 -----GluGlyLysAspLysMetPheLeuIleG 136  
DB 255 TTTCTTCTGCTTTTCTTTTCTTCTTCTTCTGTAAGGAGGCAAGATTAATGTTCTGATAGA 314  
QY 136 uylsleuilellysleuGlnaspmetGluylsAlaAsnProSerSerLeuValleuG 156

DB 315 AAAATTGATCAGCTCAGATATGAGAGCAAGCAACCAGCTCACTTCTCGGA 374  
QY 156 uArgArgGluValGlu 161  
DB 375 AAGGAGAGAGGTGGAG 390

## RESULT 2

US-09-864-761-28040  
Sequence 28040, Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
APPLICANT: Chen, Wensheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Aecm1ca-X-1  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
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PRIOR APPLICATION NUMBER: PCT/US01/00670  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: US 60/234,687  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: US 09/608,408  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: US 09/774,203  
PRIOR FILING DATE: 2001-01-29  
NUMBER OF SEQ ID NOS: 49117  
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 28040  
LENGTH: 94  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC003108.1  
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69  
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74  
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67  
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78  
OTHER INFORMATION: NT HIT: AJ276505.1, EVALUATE 5.00e-02  
OTHER INFORMATION: EST\_HUMAN HIT: AW582253.1, EVALUATE 5.00e-46





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Qy 36 LeuAlaIleThr---IleTrrPargLeuLysProSerAlaAspCysGlyPro-PheArg1 54
Db 150 TCATCTGCATCTTCTTGTGACCTGTGGTGGCCCTGCTCAAGCTGT---CTGTCTGACA 206
Qy 54 yLeuProLeuPheIleHisSerIleTrrSerTrrPleasp-----ThrLeuSe 70
Db 207 CCTCCCTCATCATGACATTACCTTTTACAGACGAGATTGACGCCATTATGCTTCATCC 266
Qy 70 rThrArgProGlyTrrLeuTrrPvalValTrrPleTrrArgLeuLeuIleGlySerValH1 90
Db 267 TGTGATCTCTGTCTTCTTATGTGTCATTTGGGTGAC---CATCTCCAGATTCCCTCA 323
Qy 90 sPhePhePheIleLeuThrLeuIleValLeuIleIle-----ThrTrrLe 105
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Qy 105 uTrrTrrP 107
Db 384 ATTATGG 390

RESULT 7
US-09-747-155-328
; Sequence 328, Application US/09747155
; Patent No. US20020151692A1
; GENERAL INFORMATION:
; APPLICANT: Rouquier, Sylvie
; APPLICANT: Giorzi, Dominique
; TITLE OF INVENTION: No. US20020151692A1el Polypeptides and Nucleic Acids Encoding Sam
; FILE REFERENCE: 19904-008 (C009683405)
; CURRENT APPLICATION NUMBER: US/09/747,155
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/171,746
; NUMBER OF SEQ ID NOS: 431
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 328
; LENGTH: 487
; TYPE: DNA
; ORGANISM: Pongo pygmaeus
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)..(487)
; OTHER INFORMATION: Taxon = 9600; gene = PPY120; Accession DDBJ/EMBL/GenBank = AF1798
; NAME/KEY: CDS
; LOCATION: (2)..(487)
; OTHER INFORMATION: Product = olfactory receptor
US-09-747-155-328

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Query Match: 8.88% Indels: 13
DB: 10 Gaps: 5

US-09-895-298a-83 (1-190) x US-09-747-155-328 (1-487)
Qy 13 AlaSerGlnMetMetThrPhePheIlePheLeuLeuPhePheProSerPheThrGlyVal 32
Db 81 TCATGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 140
Qy 33 LeuGlyThrLeuAlaIleThr---IleTrrPargLeuLysProSerAlaAspCysGlyPro 51
Db 141 CTGACCATCATGACCTCTCTCTGTGTGACCTGTGTGCTGTGCTGTGCTGTGCTGTG 197
Qy 52 -PheArgGlyLeuProLeuPheIleHisSerIleTrrSerTrrPleasp----- 67
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Db 198 GCTCAGACACCTCCTCATATGCAATCTTACAGACAGATTGACACCATTTATGC 257
Qy 68 -ThrLeuSerThrArgProGlyTrrLeuTrrPvalValTrrPleTrrArgAsnLeuIleG1 87
Db 258 TTTCAATCTCTGTGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 314
Qy 87 ySerValHisPhePhePheIleLeuThrLeuIleValLeuIleIle----- 102
Db 315 TTCCCTCCACCAAGGCGCATATGCAAGCCTTGTCCACTTGTGTGATCCACCTTCAGTGG 374
Qy 103 -ThrTrrLeuTrrP 107
Db 375 TGACTATCATTTATGG 390

RESULT 8
US-09-886-055-254
; Sequence 254, Application US/09886055
; Patent No. US20020132273A1
; GENERAL INFORMATION:
; APPLICANT: STRYER, LUBERT
; APPLICANT: ZOZULYA, SERGEY
; TITLE OF INVENTION: RECEPTOR FINGERPRINTING, SENSORY PERCEPTION, AND
; FILE REFERENCE: 078003-0277150
; CURRENT APPLICATION NUMBER: US/09/886,055
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,812
; NUMBER OF SEQ ID NOS: 522
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 254
; LENGTH: 969
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-886-055-254

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Score: 86.00 Matches: 35
Percent Similarity: 42.86% Conservative: 22
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Query Match: 8.58% Indels: 25
DB: 10 Gaps: 7

US-09-895-298a-83 (1-190) x US-09-886-055-254 (1-969)
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Qy 12 ---ArgAlaSerGlnMetMetThrPhePheIlePheLeuLeuPhePheProSerPheThr 30
Db 443 CCTGGGTCAATCCCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 502
Qy 31 GlyValLeuGlyThrLeuAlaIleThrIle---TrrPargLeuLysProSerAlaAspCys 49
Db 503 TCTGTGCTGACCAATCATCATCTCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 562
Qy 50 GlyPro-PheArgGlyLeuProLeuPheIleHisSerIleTrrSerTrrPleasp----- 67
Db 563 ---CCTGCTCAGACACCTCTCCATCATGACTTGTGCAATCTTTACAGAGCATTTGACGCCA 619
Qy 68 -----ThrLeuSerThrArgProGlyTrrLeuTrrPvalValTrrP----- 80
Db 620 TTATGCTTCATTCCTGTGCTGATGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 679
Qy 81 -----IleTrrArgAsnLeuIleGlySer---ValHisPhePhePheIleLeuThrIle 97
Db 680 AATTTCCCTGTACCAAGGCGCATATGCAAGCCTTGTGCTGCTGTGCTGTGCTGTGCTG 739
Qy 97 uIleValLeuIleIleThrTrrTrrLeuTrrPgluIle 109
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Db 337 -----AACCAAGAGCTGCTGATGAGCTATTGAAGAAAAGGTATATA 376

RESULT 12
US-09-747-155-216
; Sequence 216, Application US/09747155
; Patent No. US20020151692A1
; GENERAL INFORMATION:
; APPLICANT: Rouquier, Sylvie
; APPLICANT: Giorgi, Dominique
; TITLE OF INVENTION: No. US20020151692A1el Polypeptides and Nucleic Acids Encoding
; FILE REFERENCE: 19904-008 (C009B6834US)
; CURRENT APPLICATION NUMBER: US/09/747,155
; CURRENT FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/171,746
; PRIOR FILING DATE: 1999-12-22
; NUMBER OF SEQ ID NOS: 431
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 216
; LENGTH: 458
; TYPE: DNA
; ORGANISM: Gorilla gorilla
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(458)
; OTHER INFORMATION: Taxon = 9593; gene = GGO104; pseudogene; Accession DDBJ/EMBL/
US-09-747-155-216

Alignment Scores:
Pred. No.: 0.226 Length: 458
Score: 82.00 Matches: 37
Percent Similarity: 42.06% Conservative: 16
Best Local Similarity: 29.37% Mismatches: 44
Query Match: 8.18% Indels: 29
DB: 10 Gaps: 8

US-09-895-298A-83 (1-190) x US-09-747-155-216 (1-458)

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QY 16 MetMetTrpPhePheLeuPheLeuPhePheProSerPheThrGlyValLeuGlyThr 35
Db 61 GTGGCTGTGCTCTTTTGCAATCCCTCTCTGCGCCGCGCTCTCTCTGCTGACCCACA 120
QY 36 LeuAlaIleThr---IleTrpArgLeuLysProSerAlaAspCysGlyPro-PheArgG1 54
Db 121 TCATCCCTTCACCTTCTTCTGTGACCTTGGTCCCTGCTCAAGTTGT---CCTGCTCAGACA 177
QY 54 yLeuProLeuPheIleHisSerIleTyrSerTrpIleAsp-----ThrLeuSe 70
Db 178 CCTCCCTCATGATGATTAGCAATCTTTACAGACAGATTGACAGCCATTATGCTTCATATCC 237
QY 70 rThrArgProGlyTyrLeuTrpValValTrp-----IleTyrArg 83
Db 238 TGTGCATCCCTGGTTCTTATATGTCACATTTGGGCGGTCCACCATCTCCAGATTCCTCTACCA 297
QY 83 gasnLeuIleGlySer---ValHisPhePhePheIleLeuThrLeuIleValLeuIleI1 102
Db 298 AGGCGATATGCAAAAGCCTTGTCAC-----TTGTGATGCCACACTCTCAAGTGG 345
QY 102 eThrTyrLeuTyrTrp 107
Db 346 TGACTATCATATATATG 361

RESULT 13
US-09-747-155-222
; Sequence 222, Application US/09747155
; Patent No. US20020151692A1
; GENERAL INFORMATION:
; APPLICANT: Rouquier, Sylvie
; APPLICANT: Giorgi, Dominique
; TITLE OF INVENTION: No. US20020151692A1el Polypeptides and Nucleic Acids Encoding

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Db 1707 GCATCACCGTTGGCCAAAAGAAATAGTTGCAATTA 1742  
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## RESULT 15

US-09-764-847-1804/C  
; Sequence 1804, Application US/09764847  
; Patent No. US20020132767A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC009  
; CURRENT APPLICATION NUMBER: US/09/764,847  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 2003  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1804  
; LENGTH: 32200  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-847-1804

## Alignment Scores:

Pred. No.:	153	Length:	32200
Score:	82.00	Matches:	34
Percent Similarity:	42.28%	Conservative:	29
Best Local Similarity:	22.82%	Mismatches:	47
Query Match:	8.18%	Indels:	39
DB:	10	Gaps:	6

US-09-895-298a-83 (1-190) x US-09-764-847-1804 (1-32200)

QY 36 LeuAlaIleThrIlePArgLeuLysProSerAlaAspCysGlyProPheArgGlyLeu 55  
Db 2602 ATGATTAATCTCTACATTCATCTCTGAAAGCCTCTGACGTCAAAAGCATCAGA--AGA 2546  
||| :||| ||| :||| |||  
QY 56 ProLeuPheIleHisSerIleTyrSerTrpIleAspThrIleSerThrArgProGly--- 74  
Db 2545 GATCTCTTCACA---AGTCTGAGAAAGTGGCTGATGATGTCACAGTCTAGGCTGGCACA 2489  
||| :||| ||| :||| ||| :||| |||  
QY 75 ---TyrLeuTrpValValTrpIleTyrArgAsnLeuIle-GlySerValHisPhePhePh 93  
Db 2488 GTATTCCTCTTCTCTAGTGGGGAAGAGAAACATTAATTAAATTACATTCTATAT 2429  
||| :||| ||| :||| ||| :||| ||| :||| |||  
QY 93 eIleLeuThrIleValIleIleIleThrTyrLeuTyr----- 106  
Db 2428 ATCATACAAATTAATTCATAGCCATACATTAATTAATTAATTAATTAATTAATTAAT 2369  
||| :||| ||| :||| ||| :||| ||| :||| |||  
QY 107 -----TrpGlnIleThrGluGly----- 112  
Db 2368 AAATACCAAGACTGGGTAATTTATAAGAAAGAGTTTAACAGTACACAGTTCTGCA 2309  
||| :||| ||| :||| ||| :||| ||| :||| |||  
QY 113 -----ArgLysIleMetIleArg-----Le 119  
Db 2308 TGTGGGAAAGCCTCAGAGAACTTACAAATCAGAAACATTCAGAAATTAATTAATTAAT 2249  
||| :||| ||| :||| ||| :||| ||| :||| |||  
QY 119 uLeuHisGluGlnIleIleAsnGluGlyLysAspLysMetPheLeuIleGluLysLeuII 139  
Db 2248 TATTAAGATCACTAGTAGAAGAAATCTATCAGATCTGTGAGAGAAATTAATTAATTCCT 2189  
||| :||| ||| :||| ||| :||| ||| :||| |||  
QY 139 eLysLeuGlnAspMetGluLysLys 147  
Db 2188 AAACCTTGAAACAACAGTGAAGAAAAA 2164  
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Search completed: November 9, 2002, 07:26:21  
Job time : 103 secs

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